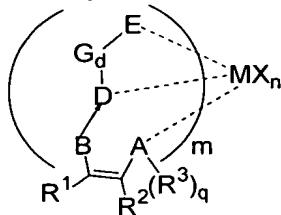


Abstract

5 Catalysts and catalyst systems useful for the olefin polymerization and copolymerization, and their synthesis procedure and usage are disclosed. These catalyst are a kind of novel complexes formed by transition metal from group 3 to group 11 and multidentate ligand , wherein the catalysts have the following formula:



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